



```
.tran 100n 1m
.meas TRAN lout PP @r7[i] from=0.1m
.meas TRAN Vopamp PP V(/Vopamp) from=0.1m
.meas TRAN Vout PP V(/Vout) from=0.1m

.meas TRAN t1 TRIG V(/Vin) val=0 rise=2 TARG V(/Vin) val=0 rise=3
.meas TRAN t2 TRIG V(/Vin) val=0 rise=2 TARG @r7[i] val=0 rise=2
.meas TRAN phase param='360*(t2/t1)'
```

```
.ac dec 1000 1 100meg

.meas ac dc_gain find vdb(/Vout) at=1
.meas ac 1k_gain find vdb(/Vout) at=1k
.meas ac 10k_gain find vdb(/Vout) at=10k
.meas ac 100k_gain find vdb(/Vout) at=100k

.meas ac dc_phase find vp(/Vout) at=1
.meas ac 1k_phase find vp(/Vout) at=1k
.meas ac 10k_phase find vp(/Vout) at=10k
.meas ac 100k_phase find vp(/Vout) at=100k
```